PTO/SB/05 (08-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## UTILITY PATENT APPLICATION **TRANSMITTAL**

| Attorney Docket No. |                                       | PAZ-025CPCN   |  |
|---------------------|---------------------------------------|---|--|
| First Inventor      |                                       | Mark L. Nelson  |  |
| Title               | 7- AND 9- C<br>THIOCARBA<br>SUBSTITUT | ARBAMATE, UREA, THIOUREA, AMATE, AND HETEROARYL-AMINO ED TETRACYCLINE, etc. |  |
|                     |                                       |   |  |

| (Only for new nonprovisional applications under 37 CFR 1.53(b))   | SUBSTITUTED TETRACYCLINE, etc.  |  |  |  |  |
|---|---|--|--|--|--|
|   | Express Mail Label No. EV 377 651 920 US &  |  |  |  |  |
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application con   | MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450            |  |  |  |  |
| 1. X Fee Transmittal Form (e.g., PTO/SB/17)   | 7. CD-ROM or CD-R in duplicate, large table or  |  |  |  |  |
| Applicant claims small entity status  | Computer Program (Appendix)  Nucleotide and/or Amino Acid Sequence Submission                     |  |  |  |  |
| 2. See 37 CFR 1.27.   | (if applicable, all necessary)  |  |  |  |  |
| 3. X Specification [Total Pages 71  | Computer Readable Form (CRF)  |  |  |  |  |
| (preferred arrangement set forth below) - Descriptive title of the invention  | b. Specification Sequence Listing on:   |  |  |  |  |
| <ul> <li>Cross Reference to Related Applications</li> <li>Statement Regarding Fed sponsored R &amp; D</li> </ul>  | i. CD-ROM or CD-R (2 copies); or ii. Paper  |  |  |  |  |
| <ul> <li>Reference to sequence listing, a table,<br/>or a computer program listing appendix</li> </ul>  | c. Statements verifying identity of above copies  |  |  |  |  |
| <ul> <li>Background of the Invention</li> <li>Brief Summary of the Invention</li> </ul>   | ACCOMPANYING APPLICATION PARTS  |  |  |  |  |
| <ul> <li>Brief Description of the Drawings (if filed)</li> <li>Detailed Description</li> </ul>  | 9. Assignment Papers (cover sheet & document(s))  |  |  |  |  |
| <ul> <li>Claim(s)</li> <li>Abstract of the Disclosure</li> </ul>  | 10. 37 CFR 3.73(b) Statement Power of Attorney  |  |  |  |  |
| 4. Drawing(s) (35 U.S.C. 113) [Total Sheets   | ] 11. English Translation Document (if applicable)  |  |  |  |  |
| 5. Oath or Declaration [Total Sheets 6  | Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations                           |  |  |  |  |
| a. X Newly executed (original or copy)  | 13. Preliminary Amendment   |  |  |  |  |
| b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)   | 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)                          |  |  |  |  |
| i. DELETION OF INVENTOR(S)  | 15 Certified Copy of Priority Document(s)   |  |  |  |  |
| Signed statement attached deleting inventor(s) named in the prior application,  | (if foreign priority is claimed)  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).        |  |  |  |  |
| see 37 CFR 1.63(d)(2) and 1.33(b).  | Applicant must attach form PTO/SB/35 or its equivalent.   |  |  |  |  |
|   | 17. X Other: Postcard   |  |  |  |  |
| 6. X Application Data Sheet. See 37 CFR 1.76  |   |  |  |  |  |
| <ol> <li>If a CONTINUING APPLICATION, check appropriate box, a<br/>specification following the title, or in an Application Data Sheet u</li> </ol>  | and supply the requisite information below and in the first sentence of the<br>under 37 CFR 1.76: |  |  |  |  |
| X Continuation Divisional Continuation-   | -in-part (CIP) of prior application No.: 09/823884  |  |  |  |  |
| Prior application information: Examiner Rober   | ert Gerstl Art Unit: 1626   |  |  |  |  |
| For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by |   |  |  |  |  |
| reference. The incorporation can only be relied upon when a po  | ortion has been inadvertently omitted from the submitted application parts.                       |  |  |  |  |
| 19. CORI  | RESPONDENCE ADDRESS   |  |  |  |  |
| x Customer Number: 00959  | OR Correspondence address below   |  |  |  |  |
| Name LAHIVE & COCKFIELD, LLP Elizabeth A. Hanley  |   |  |  |  |  |
| Address 28 State Street   |   |  |  |  |  |
| City Boston State   |   |  |  |  |  |
| Country US Tele   | ephone (617) 227-7400 Fax (617) 742-4214  |  |  |  |  |
| Name (Print/Type) Cynthia/M. Sorpos   | Registration No. (Attorney/Agent) 53,623  |  |  |  |  |
| Signature ()  | Date February 24, 2004  |  |  |  |  |
|   |   |  |  |  |  |

| US, in an envelope addressed to: | MS Patent Application, Commissioner for Pa | al Service as Express Mail, Airbill No. EV 377 651 920 atents P.O. Box 1450, Alexandria, VA 22313-1450, or |
|----------------------------------|--|--|
| the date shown below.            | LUMINIA                                    | /M a   |

Dated: February 24, 2004

Signature: \_

